

**EXHIBIT A**

Invention Disclosure  
Proprietary

1. Title: Missing Lens Detection Apparatus

2. Inventor(s) Name : Denwood Ross Address 6029 C.R. 201 South, Green Cove Springs, Fl 32043 Phone # (904) 284-4327  
Tim Newton 7622 Sunwoor Drive, Jacksonville, Fl 32256 (904) 262-5148

3. Docket No:  
(From Technology Coordinator)

4. Transmittal Date:

5. Abstract (50 words or less): What problem it solves, how it solves it, advantage.)  
Detection of the condition where a lens is not in a package prior to heat sealing is  
accomplished by using spectral absorption, either in the UV, Visible, or IR region. This  
approach is inherently less costly than the vision system approach.

6. Questions: Has this invention been ...

- a) Tried experimentally or to be tried? Yes When? \_\_\_\_\_  
b) Put into routine use or to be put into use? Maybe When?  
c) Described in a publication or to be published? No When?  
d) Offered for sale (even if not accepted) or to be offered? No When?  
e) Divulged to anyone outside J&J or to be divulged? No  
To whom? \_\_\_\_\_  
When? \_\_\_\_\_  
In confidence? \_\_\_\_\_  
Affiliation: \_\_\_\_\_  
How? \_\_\_\_\_

7. What is the closest related art of which you are already aware?

8. Where is the location of first description of your invention (e.g., laboratory notebook)? Lab Notebook #1260, p. 57

9. When was this invention conceived (earliest documented point at which you had an idea of what you wanted to accomplish and a way of accomplishing it)?

10. Inventor's signature Date

Home address

Denwood Ross  
Tim Newton

[REDACTED] PATENT DRAWINGS

Description of Invention:

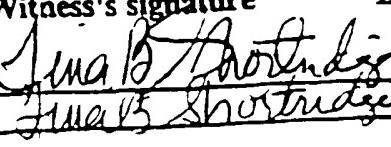
Detection of a lens in a package is currently accomplished by back illuminating the package with diffuse light and observing with a camera-based vision system. This approach works well but is expensive and software intensive. This invention involves using spectral absorption of the lens to determine presence or absence. Specifically, the package is illuminated from top or bottom with a black body type source and the light transmitted through or reflected from the package and lens is filtered for the wavelength of interest and measured with a simple detector. The best region is the  $2.5\text{-}3\mu\text{m}$  water absorption band which the water in the lens will absorb, as opposed to the non-hydroscopic package. In that case, the presence of a lens lowers the signal received by the detector over the  $2.5\text{-}3\mu\text{m}$  band. It is also possible to detect preferential absorption in the UV region from both the UV photo-initiator, and any UV blocker present, or the visible region from any tint present.

Inventors' signature(s)

Date

Witness's signature

Date

  
[REDACTED]